

C-130 AMP INDUSTRY DAY

SOURCE SELECTION SCHEDULE EVALUATION 29 June 1999

Jeffrey J. Chiles
ASC/FMCE
(937) 656-5480
jeffrey.chiles@wpafb.af.
mil

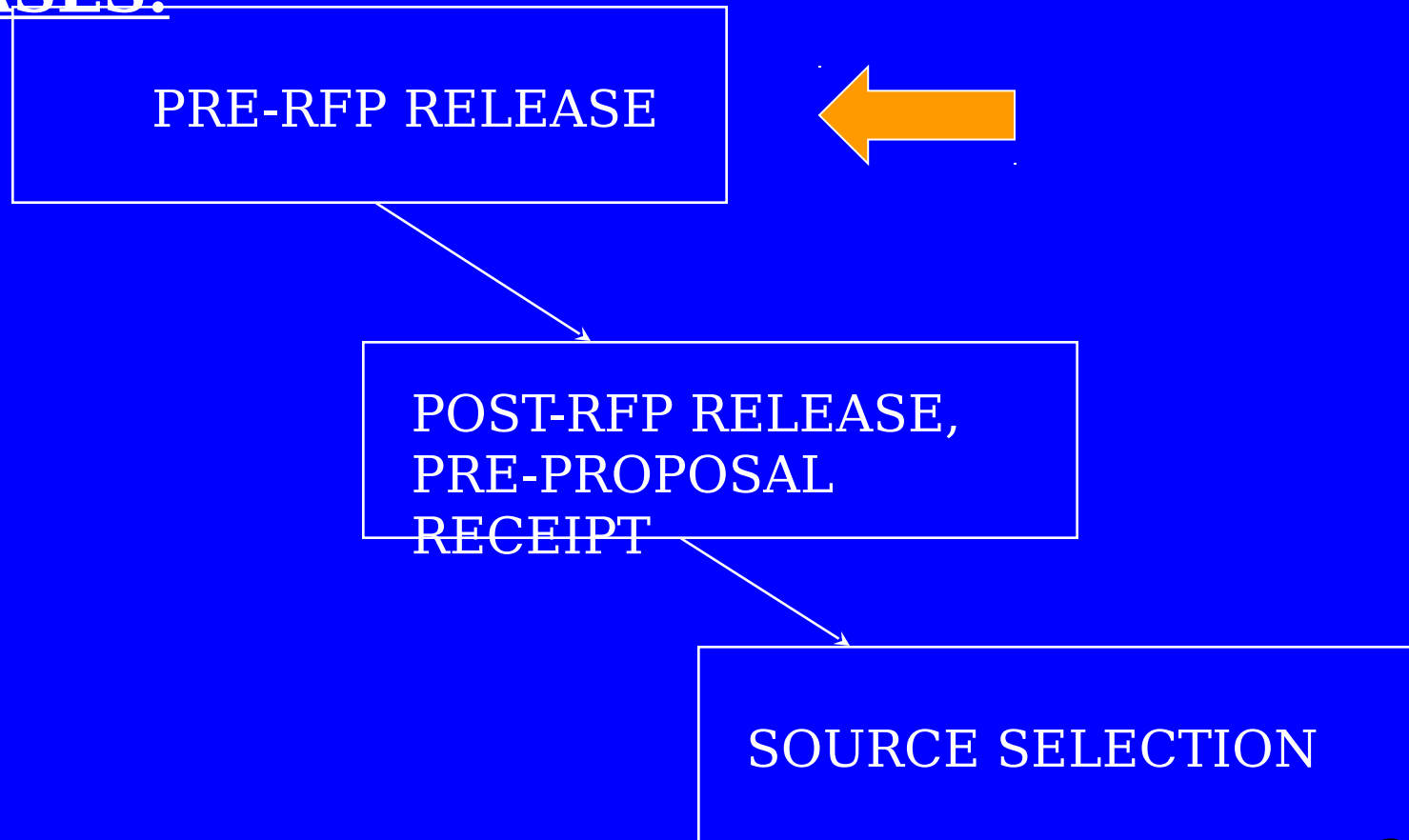
C-130 AMP SOURCE SELECTION SCHEDULE EVALUATION

OVERVIEW

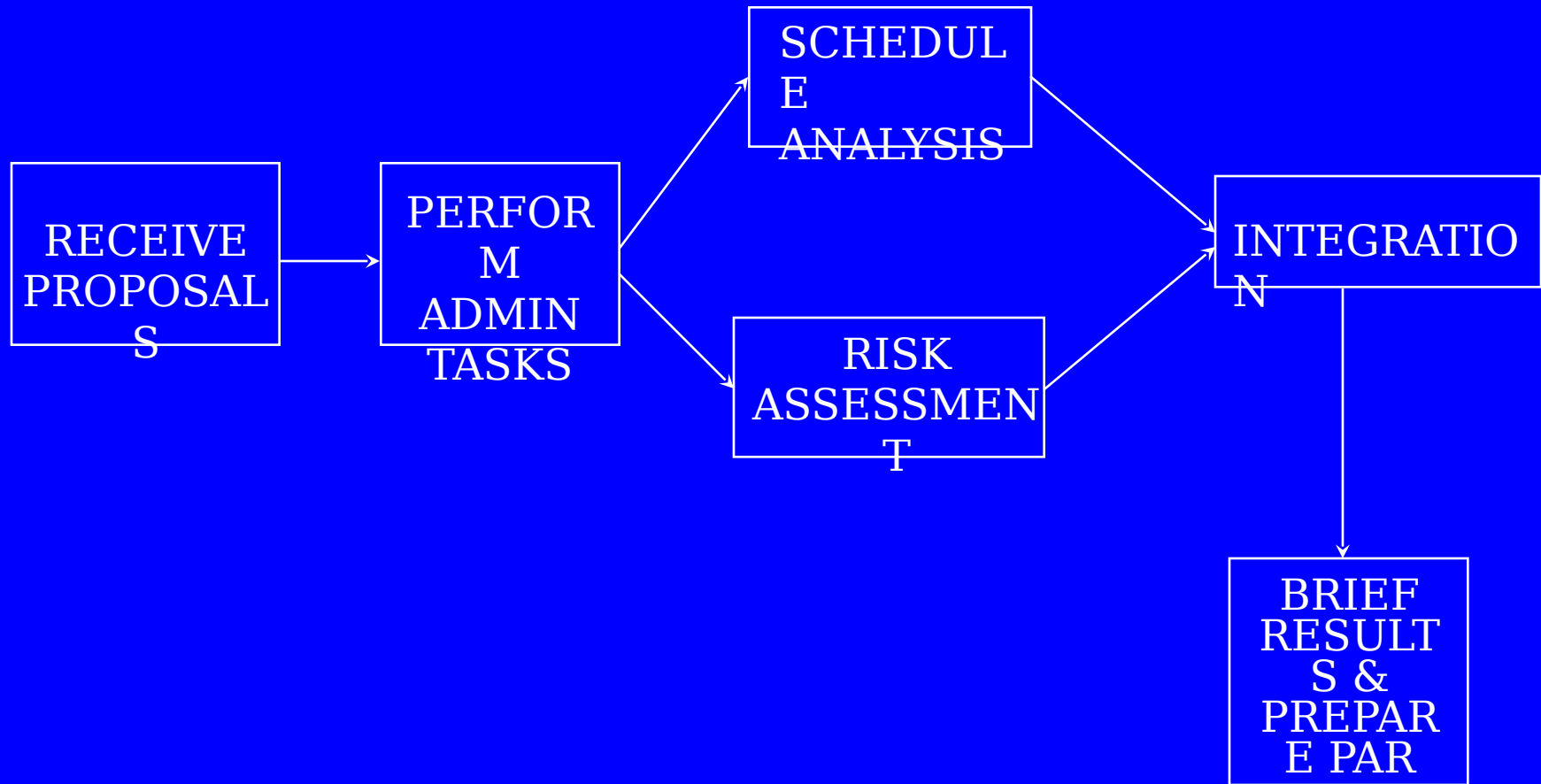
- Where Does Scheduling Fit Into The C-130 AMP Source Selection?
- Scheduling Process In Source Selection
- Schedule Proposal Format
- Maximum Number Of Activities
- Key Events

WHERE DOES SCHEDULING FIT IN THE C-130 AMP SOURCE SELECTION?

3 PHASES:



SCHEDULING PROCESS IN SOURCE SELECTION



Activity ID: _____ IMP ID: _____ Offeror: _____

Activity Name: _____ Area: _____

Proposed Duration: _____ days

Technical Evaluator Inputs:

Initial Evaluation:

Min Duration: _____ days

Most Likely Duration: _____ days

Max Duration: _____ days

Final Evaluation:

Min Duration: _____ days

Most Likely Duration: _____ days

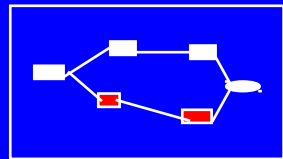
Max Duration: _____ days

Inputs are in (circle one): Calendar days Work days

Rationale (Why is this activity "risky"?):

Evaluator Signature Date

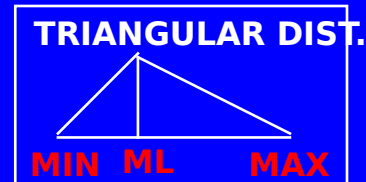
SCHEDULE RISK ASSESSMENT PROCESS EXAMPLE USING MONTE CARLO



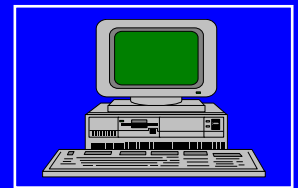
1. IPT Establishes Baseline Schedule

RISKS:
• EMC TESTING
• S/W CODING

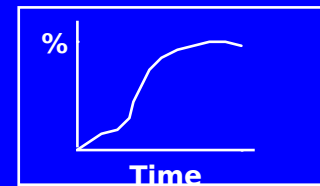
2. Understand Technical/
Management Risk Areas



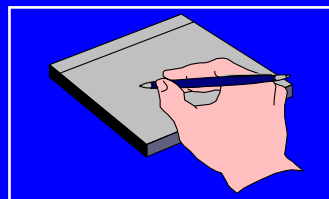
3. Evaluate Schedule
Durations & Quantify
Impact of Risk



4. Run Schedule
Simulation Using
Risk+



5. Analyze Results &
Integrate Into Cost
Estimate



6. Document & Present
Results

RISK ACTION PLAN

ISSUE -- ACTION -- DATE

7. IPT Performs Risk
Planning

SCHEDULE PROPOSAL CONTENTS

- Chapter 1 - Integrated Master Schedule Network and Data Listing
 - Networked IMS
 - Highlight Critical Path
 - Consistent and Traceable to IMP, SOW and WBS
 - Single Numbering System
 - WBS Level 4 for Moderate-to-high Risk Activities
 - Lower Risk Activities May Be Summarized
 - Calendar Consistent With Company Work Schedule
 - Identify Activity With Company Organization or Function
 - Microsoft Project 98 on Disk (Floppy or CD)

SCHEDULE PROPOSAL CONTENTS (cont.)

- Chapter 1 (Cont.)
 - Hard Copies
 - Gantt Charts
 - Tabular Format - ID, IMP Reference, Name, Start, Finish, Duration, Total Slack, Predecessors, Successors, Constraint Type, Constraint Date, Organizational or Functional Code, WBS, CLIN Reference, SOW Reference

SCHEDULE PROPOSAL CONTENTS (cont.)

- Chapter 2 - Schedule Rationale, Narrative and Schedule Risk Assessment
 - Provide Ground Rules and Assumptions
 - Explanation of Most Likely Durations
 - Emphasis on Moderate to High Risk Areas
 - Describe Company Calendar - List Holidays
 - Explain Any Excessive Lead or Lag Times, Durations Greater Than 180 Days, Constrained/Directed Dates or Customized Fields
 - Describe Schedule Management System

SCHEDULE PROPOSAL CONTENTS (cont.)

- Chapter 2 (Cont.)
 - Proposal Schedule Risk Assessment
 - Run SRA Using Risk+ (www.projectgear.com/)
 - SRA Narrative
 - Provide Histograms for Key Events
 - Assumptions and Ground Rules
 - Risk Mitigation Plan for Moderate-to-High Items
 - Tie to Technical Risk Areas

MAXIMUM NUMBER OF ACTIVITIES

What Is The Appropriate Number Of Activities?

- Need To Limit Number For Effective Evaluation
 - Count to Include Summary Activities, Non-summary Activities and Milestones
- History
 - C-5 400
 - K/C-135 500
- C-130 AMP More Complex

KEY EVENTS FOR EVALUATION

- **WHAT KEY EVENTS SHOULD BE USED?**

- Basis of Schedule Evaluation
- Programmatic Decision
- Typical Events
 - PDR Complete
 - Engineering Analysis Complete
 - CDR Complete
 - Software Integration Complete
 - Testing Complete
 - IOC Dates for C-130H(2) and MC-130H
 - Kit Install Complete

C-130 AMP SOURCE SELECTION SCHEDULE EVALUATION

Questions

Please send comments to
me at:

jeffrey.chiles@wpafb.af.mil